# Contents Volume 130, 1997

**Research Papers**

Late Quaternary sedimentation on the Portuguese continental margin: climate-related processes and products
J.H. Baas, J. Mienert, F. Abrantes and M.A. Prins ..... 1
Thermoluminescence dating tests of Pleistocene sediments from uplifted marine shorelines along the southwest coastline of the Calabrian Peninsula (southern Italy)
S. Balescu, B. Dumas, P. Guérémy, M. Lamothe, R. Lhénaff and J. Raffy ..... 25
Late Quaternary paleoproductivity and deep water circulation in the eastern South Atlantic Ocean: Evidence from benthic foraminifera
G. Schmiedl and A. Mackensen ..... 43
Salt marsh foraminifera from the Great Marshes, Massachusetts: environmental controls
S. de Rijk and S.R. Troelstra ..... 81
Nannoplankton productivity and diagenesis in the rhythmically bedded Toarcian–Aalenian Fiuminata section (Umbria–Marche Apennine, central Italy)
E. Mattioli ..... 113
Rapid palaeoceanographic changes in the Benguela Upwelling System for the last 160,000 years as indicated by abundances of planktonic foraminifera
M.G. Little, R.R. Schneider, D. Kroon, B. Price, T. Bickert and G. Wefer ..... 135
High northern palaeolatitude Jurassic–Cretaceous palaeotemperature variation: new data from Kong Karls Land, Svalbard
P.W. Ditchfield ..... 163
Filtration models, guilds, and biofacies: Crinoid paleoecology of the Stanton Formation (Upper Pennsylvanian), midcontinent, North America
P.F. Holterhoff ..... 177
Microbial carbonate production in a starved basin: The *crenistria* Limestone of the upper Viséan German Kulm facies
K. Warnke ..... 209
Devonian tetrapod trackways and trackmakers; a review of the fossils and footprints
J.A. Clack ..... 227
Cenomanian–Turonian carbon isotope events recorded in terrestrial organic matter from northern Japan
T. Hasegawa ..... 251
Dinosaurs and other tetrapods in an Early Cretaceous bauxite-filled fissure, northwestern Romania
M.J. Benton, E. Cook, D. Grigorescu, E. Popa and E. Tallódi ..... 275
An 18 million year record of vegetation and climate change in northwestern Canada and Alaska: tectonic and global climatic correlates
J.M. White, T.A. Ager, D.P. Adam, E.B. Leopold. G. Liu, H. Jetté and C.E. Schweger ..... 293
Palaeoclimatic conditions in the upper Pleistocene and Holocene Bhimtal–Naukuchiatal lake basin in south-central Kumaun, North India
B.S. Kotlia, M.S. Bhalla, C. Sharma, G. Rajagopalan, R. Ramesh, M.S. Chauhan, P.D. Mathur, S. Bhandari and S.T. Chacko ..... 307
High-resolution multi-proxy climate records from Chinese loess: evidence for rapid climatic changes over the last 75 kyr
F.H. Chen, J. Bloemendal, J.M. Wang, J.J. Li and F. Oldfield ..... 323
Age and isotopic constraints on Pleistocene pluvial episodes in the Western Desert, Egypt
M.K. Crombie, R.E. Arvidson, N.C. Sturchio, Z. El Alfy and K. Abu Zeid ..... 337